

DT03 Rec'd PCT/PTO 21 JAN 2005

U. S. PATENT AND TRADEMARK OFFICE U.S. DEPARTMENT OF COMMERCE		ATTORNEY'S DOCKET NUMBER 21175YP	
		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/521821	
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371	INTERNATIONAL APPLICATION NO. PCT/US03/24280	INTERNATIONAL FILING DATE 1 August 2003	PRIORITY DATE CLAIMED 2 August 2002
TITLE OF INVENTION SUBSTITUTED FURO[2,3- $\beta$ ]PYRIDINE DERIVATIVES			
APPLICANT(S) FOR DO/EO/US RICHARD B. TOUPENCE, JOHN S. DEBENHAM, MARK T. GOULET, CHRISTINA B. MADSEN-DUGGAN, THOMAS F. WALSH, and SHRENIK K. SHAH			
<b>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</b>			
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures [35 U.S.C. 371(f)]. The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (PCT Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed [35 U.S.C. 371(c)(2)]</p> <p>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed [35 U.S.C. 371(c)(2)].</p> <p>a. <input type="checkbox"/> is attached hereto</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)].</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 [35 U.S.C. 371(c)(3)].</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) [35 U.S.C. 371(c)(4)].</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 [35 U.S.C. 371(c)(5)].</p>			
<b>Items 11 to 20 below concern other document(s) or information included:</b>			
<p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13<sup>ter</sup>.2 and 35 U.S.C. 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input type="checkbox"/> Other items or information:</p>			

DT12 Rec'd PCT/PTO 21 JAN 2005

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/521821</b>		INTERNATIONAL APPLICATION NO. PCT/US03/24280		ATTORNEY'S DOCKET NUMBER 21175YP	
21. The following fees are submitted:					
<input checked="" type="checkbox"/> a) Basic national fee.....				\$300.00	\$300.00
<input checked="" type="checkbox"/> b) Examination fee.....				\$200.00	\$200.00
<input checked="" type="checkbox"/> c) Search fee .....				\$500.00	\$500.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$1000.00</b>	<b>\$1000.00</b>
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
208 - 100 =	108 /50	2.16 = 3	X \$250.00	\$750.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date [37 CFR 1.492(e)].					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total Claims	19 - 20 =	0	X \$50.00	\$0.00	
Independent Claims	2 - 3 =	0	X \$200.00	\$0.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00		
<b>TOTAL OF ABOVE CALCULATIONS (SUBTOTAL) =</b>				<b>\$1,750.00</b>	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+	
<b>TOTAL NATIONAL FEE =</b>				<b>\$1,750.00</b>	
Fee for recording the enclosed assignment [37 CFR 1.21(h)]. The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.				+	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$1,750.00</b>	
				Amount to be refunded:	
				Amount to be charged:	
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>13-2755</u> in the amount of <u>\$1,750.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to the Deposit Account No. <u>13-2755</u>. A duplicate copy of this sheet is enclosed.</p>					
<p><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive [37 CFR 1.137(a) or (b)] must be filed and granted to restore the International Application to pending status.</b></p>					
SEND ALL CORRESPONDENCE TO:					
Customer No. 000210					
<p>MERCK &amp; CO., INC. Patent Department, RY60-30 P.O. Box 2000 126 East Lincoln Avenue Rahway, New Jersey 07065-0970</p>					
DATE: <u>Jan. 21, 2005</u>				SIGNATURE: <u>Catherine D. Fitch</u>	
PHONE #: <u>(732) 594-4283</u>				NAME: <u>CATHERINE D. FITCH</u>	
				REGISTRATION NUMBER: <u>36,502</u>	

Page 1A of TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING  
A FILING A UNDER 35 U.S.C. 371

Serial No. PCT/US03/24280  
Case Docket No.: 21175YP  
International Filing Date: 1 August 2003  
Priority Date: 2 August 2002  
Title: SUBSTITUTED FURO[2,3- $\beta$ ]PYRIDINE  
DERIVATIVES

Inventors: RICHARD B. TOUPENCE, JOHN S. DEBENHAM,  
MARK T. GOULET, CHRISTINA B. MADSEN-DUGGAN,  
THOMAS F. WALSH, and SHRENIK K. SHAH

EXPRESS MAIL CERTIFICATE

DATE OF DEPOSIT January 21, 2005

EXPRESS MAIL NO. EV421342275US

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING  
DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS  
EXPRESS MAIL "POST OFFICE TO ADDRESSEE" BEFORE  
5 P.M. ON THE ABOVE DATE IN AN ENVELOPE ADDRESSED TO  
COMMISSIONER OF PATENTS AND TRADEMARKS, BOX PCT,  
WASHINGTON, D.C. 20231.

MAILED BY Lou Schizui DATE January 21, 2005